

SEQUENCE LISTING

<110> Usha KASID
Deepak KUMAR
Irman AHMAD

<120> GENE SCC-112 AND DIAGNOSTIC AND THERAPEUTIC USES THEREOF

<130> 224378

<150> PCT/US02/10850

<151> 2002-04-08

<150> 60/281,780

<151> 2001-04-06

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<170> PatentIn Ver. 3.2

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Glu	Lys	Val	Ser 405	Trp	Ile	Lys	Asp	Lys	Leu 410	Leu	His	Ile	Tyr	Tyr 415	Gln
Asn	Ser	Ile	Asp 420	Asp	Lys	Leu	Leu	Val 425	Glu	Lys	Ile	Phe	Ala 430	Gln	Tyr
Leu	Val	Pro 435	His	Asn	Leu	Glu	Thr 440	Glu	Glu	Arg	Met	Lys 445	Cys	Leu	Tyr
Tyr 450	Leu	Tyr	Ala	Ser	Leu	Asp 455	Pro	Asn	Ala	Val	Lys 460	Ala	Leu	Asn	Glu
Met 465	Trp	Lys	Cys	Gln	Asn 470	Met	Leu	Arg	Ser	His 475	Val	Arg	Glu	Leu	Leu 480
Asp	Leu	His	Lys	Gln	Pro	Thr	Ser	Glu	Ala	Asn	Cys	Ser	Ala	Met	Phe

485					490					495					
Gly	Lys	Leu	Met	Thr	Ile	Ala	Lys	Asn	Leu	Pro	Asp	Pro	Gly	Lys	Ala
			500					505					510		
Gln	Asp	Phe	Val	Lys	Lys	Phe	Asn	Gln	Val	Leu	Gly	Asp	Asp	Glu	Lys
		515					520					525			
Leu	Arg	Ser	Gln	Leu	Glu	Leu	Ile	Ser	Pro	Thr	Cys	Ser	Cys	Lys	
	530					535					540				
Gln	Ala	Asp	Ile	Cys	Val	Arg	Glu	Ile	Ala	Arg	Lys	Leu	Ala	Asn	Pro
	545					550					555				560
Lys	Gln	Pro	Thr	Asn	Pro	Phe	Leu	Glu	Met	Val	Lys	Phe	Leu	Leu	Glu
				565					570					575	
Arg	Ile	Ala	Pro	Val	His	Ile	Asp	Ser	Glu	Ala	Ile	Ser	Ala	Leu	Val
			580					585					590		
Lys	Leu	Met	Asn	Lys	Ser	Ile	Glu	Gly	Thr	Ala	Asp	Asp	Glu	Glu	Glu
		595					600					605			
Gly	Val	Ser	Pro	Asp	Thr	Ala	Ile	Arg	Ser	Gly	Leu	Glu	Leu	Leu	Lys
	610					615					620				
Val	Leu	Ser	Phe	Thr	His	Pro	Thr	Ser	Phe	His	Ser	Ala	Glu	Thr	Tyr
	625					630					635				640
Glu	Ser	Leu	Leu	Gln	Cys	Leu	Arg	Met	Glu	Asp	Asp	Lys	Val	Ala	Glu
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Ala	Ala	Ile	Gln	Ile	Phe	Arg	Asn	Thr	Gly	His	Lys	Ile	Glu	Thr	Asp
			660					665					670		
Leu	Pro	Gln	Ile	Arg	Ser	Thr	Leu	Ile	Pro	Ile	Leu	His	Gln	Lys	Ala
		675					680					685			
Lys	Arg	Gly	Thr	Pro	His	Gln	Ala	Lys	Gln	Ala	Val	His	Cys	Ile	His
	690					695					700				
Ala	Ile	Phe	Thr	Asn	Lys	Glu	Val	Gln	Leu	Ala	Gln	Ile	Phe	Glu	Pro
	705					710					715				720
Leu	Ser	Arg	Ser	Leu	Asn	Ala	Asp	Val	Pro	Glu	Gln	Leu	Ile	Thr	Pro
				725					730					735	
Leu	Val	Ser	Leu	Gly	His	Ile	Ser	Met	Leu	Ala	Pro	Asp	Gln	Phe	Ala
			740					745					750		
Ser	Pro	Met	Lys	Ser	Val	Val	Ala	Asn	Phe	Ile	Val	Lys	Asp	Leu	Leu
		755					760					765			
Met	Asn	Asp	Arg	Ser	Thr	Gly	Glu	Lys	Asn	Gly	Lys	Leu	Trp	Ser	Pro
	770					775					780				
Asp	Glu	Glu	Val	Ser	Pro	Glu	Val	Leu	Ala	Lys	Val	Gln	Ala	Ile	Lys
	785					790					795				800
Leu	Leu	Val	Arg	Trp	Leu	Leu	Gly	Met	Lys	Asn	Asn	Gln	Ser	Lys	Ser
				805					810					815	
Ala	Asn	Ser	Thr	Leu	Arg	Leu	Leu	Ser	Ala	Met	Leu	Val	Ser	Glu	Gly
			820					825					830		
Asp	Leu	Thr	Glu	Gln	Lys	Arg	Ile	Ser	Lys	Ser	Asp	Met	Ser	Arg	Leu

835					840					845					
Arg	Leu	Ala	Ala	Gly	Ser	Ala	Ile	Met	Lys	Leu	Ala	Gln	Glu	Pro	Cys
850						855					860				
Tyr	His	Glu	Ile	Ile	Thr	Pro	Glu	Gln	Phe	Gln	Leu	Cys	Ala	Leu	Val
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Ile	Asn	Asp	Glu	Cys	Tyr	Gln	Val	Arg	Gln	Ile	Phe	Ala	Gln	Lys	Leu
				885					890					895	
His	Lys	Ala	Leu	Val	Lys	Leu	Leu	Leu	Pro	Leu	Glu	Tyr	Met	Ala	Ile
			900					905					910		
Phe	Ala	Leu	Cys	Ala	Lys	Asp	Pro	Val	Lys	Glu	Arg	Arg	Ala	His	Ala
		915					920					925			
Arg	Gln	Cys	Leu	Leu	Lys	Asn	Ile	Ser	Ile	Arg	Arg	Glu	Tyr	Ile	Lys
	930					935					940				
Gln	Asn	Pro	Met	Ala	Thr	Glu	Lys	Leu	Leu	Ser	Leu	Leu	Pro	Glu	Tyr
945					950					955					960
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Phe	Met	Leu	Glu	Val	Leu	Met	Thr	Lys	Asn	Glu	Asn	Asn	Ser	His	Ala
		995					1000					1005			
Phe	Met	Lys	Lys	Met	Ala	Glu	Asn	Ile	Lys	Leu	Thr	Arg	Asp	Ala	Gln
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Ser	Pro	Asp	Glu	Ser	Lys	Thr	Asn	Glu	Lys	Leu	Tyr	Thr	Val	Cys	Asp
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Val	Ala	Leu	Cys	Val	Ile	Asn	Ser	Lys	Ser	Ala	Leu	Cys	Asn	Ala	Asp
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Ser	Pro	Lys	Asp	Pro	Val	Leu	Pro	Met	Lys	Phe	Phe	Thr	Gln	Pro	Glu
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Lys	Asp	Phe	Cys	Asn	Asp	Lys	Ser	Tyr	Ile	Ser	Glu	Glu	Thr	Arg	Val
	1075					1080						1085			
Leu	Leu	Leu	Thr	Gly	Lys	Pro	Lys	Pro	Ala	Gly	Val	Leu	Gly	Ala	Val
	1090					1095					1100				
Asn	Lys	Pro	Leu	Ser	Ala	Thr	Gly	Arg	Lys	Pro	Tyr	Val	Arg	Ser	Thr
1105					1110					1115					1120
Gly	Thr	Glu	Thr	Gly	Ser	Asn	Ile	Asn	Val	Asn	Ser	Glu	Leu	Asn	Pro
				1125				1130					1135		
Ser	Thr	Gly	Asn	Arg	Ser	Arg	Glu	Gln	Ser	Ser	Glu	Ala	Ala	Glu	Thr
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Gly	Val	Ser	Glu	Asn	Glu	Glu	Asn	Pro	Val	Arg	Ile	Ile	Ser	Val	Thr
	1155					1160					1165				
Pro	Val	Lys	Asn	Ile	Asp	Pro	Val	Lys	Asn	Lys	Glu	Ile	Asn	Ser	Asp
	1170					1175					1180				
Gln	Ala	Thr	Gln	Gly	Asn	Ile	Ser	Ser	Asp	Arg	Gly	Lys	Lys	Arg	Thr

1185	1190	1195	1200
Val Thr Ala Ala Gly Ala Glu Asn Ile Gln Gln Lys Thr Asp Glu Lys	1205	1210	1215
Val Asp Glu Ser Gly Pro Pro Ala Pro Ser Lys Pro Arg Arg Gly Arg	1220	1225	1230
Arg Pro Lys Ser Glu Ser Gln Gly Asn Ala Thr Lys Asn Asp Asp Leu	1235	1240	1245
Asn Lys Pro Ile Asn Lys Gly Arg Lys Arg Ala Ala Val Gly Gln Glu	1250	1255	1260
Ser Pro Gly Gly Leu Glu Ala Gly Asn Ala Lys Ala Pro Lys Leu Gln	1265	1270	1275
Asp Leu Ala Lys Lys Ala Ala Pro Ala Glu Arg Gln Ile Asp Leu Gln	1285	1290	1295

Arg

<210> 3
 <211> 20
 <212> PRT
 <213> Artificial

<400> 3

Lys Leu Gln Asp Leu Ala Lys Lys Ala Ala Pro Ala Glu Arg Gln Ile	1	5	10	15
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Asp Leu Gln Arg
 20